

ABSTRACT OF THE DISCLOSURE

A rate matching method is provided for a mobile communication system that performs an adjustment to a code rate based on an optimal level by puncturing or repetition to respective bit streams of transport channels. The rate matching method is preferably applicable to uplink and downlink rate matching for channel coding including turbo coding, convolutional coding and the like. The rate matching method for uplink can include executing coding for bits of a transport channel, and branching off the bits into a plurality of sequences, constructing a first interleaving pattern for the plurality of sequences, constructing a virtual interleaving pattern for at least one sequence based on a mapping rule with a corresponding first interleaving pattern and calculating different bit shifting values in each column of each virtual interleaving pattern. Then, a bit position to be punctured is determined in each constructed virtual interleaving pattern using the calculated bit shifting values.